

Department of Public Works and Transportation

DIVISION OF SOLID WASTE SERVICES



A toter in use during a neighborhood pilot program.

MONTHLY REPORT

OCTOBER 2000



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TABLE OF CONTENTS

OVERVIEW	3
CITIZEN COMMITTEES	4
COLLECTIONS.....	4
WASTE MINIMIZATION	5
HAZARDOUS WASTE PROGRAMS	5
AIR PERMITS AND ENVIRONMENTAL PROGRAMS	5
RECYCLING	6
PILOT PROGRAMS	7
FACILITY ACTIVITIES.....	8
GENERAL INFORMATION	11
SOLID WASTE FACTS IN A NUTSHELL	12
GLOSSARY OF ACRONYMS.....	13

OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, during the fiscal years to date (FY Total), and during the current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	Oct FY 01	FY 01 Total	Oct FY 00	Oct FY 99
Materials Recycling Facility ⁽¹⁾	7,063 tons	25,577 tons	5,093 tons	N/A
Brunswick Landfill Facility ⁽⁴⁾	13,833 tons	51,295 tons	10,530 tons	14,745 tons
American Ash Recycling ⁽²⁾	3,147 tons	11,646 tons	3,122 tons	N/A
Resource Recovery Facility ⁽³⁾	46,727 tons	179,448 tons	41,031 tons	37,880 tons
Yard Trim Compost Facility	4,052 tons	15,073 tons	4,015 tons	3,364 tons

⁽¹⁾For FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY00, these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation – This month, calibrated the rate model and fiscal health spreadsheets with FY00 actuals, revised FY01 forecasts, worked with recycling managers to reforecast recycling in each sector, calculating capture rates for each commodity, and revised the Collection Fund rate model to conform to the OMB form and retained earnings calculation. In the process, this year we developed a set of linked spreadsheets to facilitate changes during the budget review process. On the personnel front, we conducted seventeen interviews for two open positions. We also completed and published “Municipal Solid Waste Materials Flow Review and Recycling Rate Report for Fiscal Year 2000” and presented at Quarterly Briefing; provided internal review of monthly tonnage numbers; drafted an additional Performance Measure for inclusion in FY02 budget package; met with hired consultant on semi-automated and automated collection study; and held discussions with Finance and Financial advisor on continuing work to assess county credit implications of variable rate alternatives. Otherwise, with the loss of our budget analyst, staff man hours were redirected this month to preparation of the FY02 – 07 DSWS budget proposals.

CITIZEN COMMITTEES

Facilities Implementation Group (FIG) – There is no meeting scheduled in November. The next scheduled meeting is on January 16, 2001 at 7:30 p.m.

Solid Waste Advisory Committee (SWAC) – SWAC met Tuesday, October 3, with 12 SWAC members, 7 County staff and one guest in attendance. County staff briefed the committee on Regulation of Commercial Refuse and Recycling Collection, Solid Waste Enforcement, and Residential Refuse and Recycling Collection.

COLLECTIONS

Refuse – Refuse collections were routine with no holiday or weather related disruptions to service.

Recycling – Recycling collections were routine with no holiday or weather related disruptions to service.

Contractor Performance – In October, there were 9 complaints not resolved by the contractors. The County corrected all 9 of the issues and processed the appropriate fines. The number of complaints received in October 2000 totaled 803. This represents a 54.4% increase from October 1999, which had 520 complaints.

Enforcement Actions – In October, 24 citations were issued in the amount of \$12,250.00 for violations of the County Solid Waste Laws: 2 citations for not having a valid collector's license, in the amount of \$1,000.00; 4 citations were issued for unlicensed collection vehicles in the amount of \$2,000.00; 8 citations were issued for collecting solid waste before 7 a.m. in the amount of \$4,250.00; 7 citations were issued for not having a suitable tight-fitting cover in the amount of \$3,500.00; 1 citation was issued for depositing solid waste on property of another without written consent for \$500.00; 1 citation for depositing solid waste upon a public highway for \$500.00 and 1 citation for dumping solid waste at other than an approved acceptance facility in the amount of \$500.00. Eight NOVs were issued for not having a suitable tight fitting cover. Three NOVs were issued for dumping, leaving solid waste on property of another. Three NOVs were issued for improperly stored and or permitted solid waste to accumulate.

Customer Service – In October, there were 7,562 incoming calls with 420 follow-up calls as a quality control check and 363 other miscellaneous services handled by the Customer Service staff. Also, 1,134 recycle bins were delivered.

Volunteer Activities – In October, Master Recycler/Composter Program Volunteers contributed 177 hours of service and reached approximately 2,478 residents. Volunteer activities included two Household Hazardous Waste collections, one computer drop off at Shady Grove, Burtonsville Day, Community Service Day at the Agriculture Farm Park and a Volunteer Meeting/Luncheon with Mr. Genetti.

WASTE MINIMIZATION

Drop-off Programs – The County is preparing advertisements promoting drop-offs at the Transfer Station that will appear later in November.

Two computer recycling events were held in October. Approximately 5.1 tons of computers and computer-related equipment were received on October 8 and approximately 4.8 tons were received on October 22.

Department of Environmental Protection's Home Composting and Source Reduction Activities – Display ads for Composting and Compost Bins continue to run in the Gazette and Journal Newspapers. The Green Man environmental gardening column with Gazette Newspapers continues.

New Composting and Landscape Alteration Factsheets are now available in hardcopy, and will be available as well as readable and downloadable PDF documents on the Composting and Lawns & Landscaping homepages of askDEP.com.

Eight of the Grasscycling and IPM advertisements used throughout the past year have been redesigned as 25" x 33" full-color posters, which will be mounted and distributed to schools, nature centers, outdoor education centers, and interested garden centers across the County.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – About 25 citizens who could not attend the next scheduled event came to the Transfer Station to drop off household hazardous waste. In October, two HHW events were held; one at the Transfer Station and one at NIH. There were 609 and 735 participants, respectively.

Small Quantity Generator (Ecowise) Program – One Ecowise event was held in October with 10 companies in attendance.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility: CEM Tracking of RRF Operations – In October, the Continuous Emissions Monitoring System (CEM) indicated that units 1 and 2 were operating continuously until October 11, when unit 1 was brought offline at 11 p.m. because of some broken grates. Repairs were completed within 19 hours, and the unit was brought online at about 6 p.m. on October 12. Thereafter, units 1 and 2 were operating until October 14, when unit 1 was brought offline again at about 5 p.m. because a heavy plump of material (maybe manganese) melted nine grates. Repairs were completed within 16 hours and the unit was brought back online at about 9 p.m. the same day. Thereafter, both units (1 and 2) operated until October 20. On October

20, unit 3 was also brought online so that all three units would be operating full load for the annual stack-testing program that commenced on October 23. The three units will be operating until the first week of November, when the stack-testing program is expected to be completed. The stack-testing results are expected to be available in January 2001. There were no equipment malfunctions (other than the broken grate problems) that affected unit operations or stack emissions.

The set of ten CEM CDROMS was updated to include CEM data up to September 30, 2000. Copies of the CDROM were placed in the Rockville and Poolesville libraries and distributed to DSWS staff and citizen committees, including SWAC and FIG.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – In October, the Leachate Thermal Treatment System (LTTS) operated for 28 days, evaporating, on the average, eight gallons per minute. A meeting was held with BENTECH and the firm's potential buyer of pipeline-quality gas. BENTECH will keep the County posted on the progress of the firm's negotiations with the buyer.

Yard Trim Composting Facility: Consent Agreement Evaluation – DSWS submitted to Maryland Department of Environment (MDE) ENSR's draft report for the water quality-sampling program that was concluded in June. To date, no comments were received from the Agency.

Facilities Implementation Group (FIG) Air Quality Subcommittee – By the last week of October, Clean Air Engineering (CAE) provided electronic copies of the stack test data for all nine stack tests the firm conducted between 1995 and 1998. ENSR is currently reviewing the data and will develop emission factors in a few weeks for the update of the RRF Health Risk Assessment. This information will be submitted to the committee for review probably by the end of November.

Contractual Work – Members of the FIG Air Quality Committee reviewed the scope of work on the Epidemiological Study submitted by ENSR. Based on comments received from the members, the scope of the study will be expanded.

ENSR continues to review the RRF stack emissions data received from Ogden's contractors and expects to develop emissions factors by the end of November.

RECYCLING

Public Outreach – The next phase in the series of mixed paper recycling print advertisements is running in the Washington Post, the Gazette and the Journal newspapers. Photos have been taken for use in the Division's major outreach piece, the recycling calendar for 2001. Text is being reviewed. Also, DSWS has been working closely with the County's Division of Facilities and Services, Montgomery County Public Schools, several property management companies, and others to improve recycling awareness and activity. Staff is involved in many activities and events in the community to increase recycling awareness.

Planning and preparations continue for America Recycles Day events and activities. The open house at the Recycling Center will be held on Sunday, November 19.

The 50% recycling campaign is beginning again in print advertisements. The new recycling awareness campaign is under development and is scheduled to begin shortly.

The web site address for the County's recycling program is www.MCRecycles.org. Other related web site addresses for specific County recycling programs are: www.SORRT.org and www.TRRAC.org. Improvements and additions to these sites are being made and updates will be provided on a continual basis.

Commercial Recycling and Waste Reduction – Staff continued to deliver customized service to the business sector. Staff participated in several community events. The events included a Saturday at Wheaton Plaza (provided information to approximately 400 shoppers), promoting America Recycles Day and recycling awareness. The new recycling videos along with information on America Recycles Day were delivered to all of the public schools. Staff continued to provide tailored training seminars to businesses and County facilities. Staff conducted a total of 15 seminars.

Multi-Family Recycling – Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff continued to assist properties that were not in compliance with the County's regulation. The Division also continued to solicit properties to participate in the bin effectiveness study. Staff, with assistance from the SORRT program, participated in the Bethesda Row Arts Festival and Wheaton Plaza recycling events to increase awareness of waste reduction, recycling and buying recycled. Over 90 America Recycles Day pledge cards were signed by residents. Also, the new TRRAC web site went online in October.

Mixed Paper Recycling – Print advertisements about the curbside mixed paper recycling program are running in all the following newspapers: the Journal, the Gazette, the Washington Post. A 30 second television spot on mixed paper was produced and will air on cable TV. An insert in the Washington Post with mixed paper information is under development. Staff is looking at the amounts of mixed paper being recycled in each area in the effort to troubleshoot and provide additional education to those low performance areas.

PILOT PROGRAMS

Mixed Paper Pilot – We now have three pilot areas using toters for Paper Recycling. Initial results indicate that toters will have a significant impact on the paper tonnage collected.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000 and ended at the end of September with 5,205 yards of material being processed. At the end of October, there were 9,240 yards of material to be processed. The County

is in the process of taking delivery of a new tubgrinder in November. Processing should begin again with tubgrinder #2 from the Transfer Station.

Ash Recycling Pilot – Ash recycling continues on schedule with approximately 3,000 tons shipped in October and 13,000 shipped this fiscal year. Nothing unusual was encountered in the month, and CSX train movements continue to be timely for the truck hauling of the ash.

Blue Bag Pilot - We are moving closer towards implementing a Blue Bag Pilot Program with 157 townhouses in the Germantown area. We are currently collecting the recycling with County vehicles to record a tonnage history prior to starting this pilot program.

FACILITY ACTIVITIES

Resource Recovery Facility – The Facility operated primarily with two units at 100% load for the first three weeks of the month. Unit 1 was removed from service on October 11 and again on October 13 for grate bar damage.

On October 10 PEPCO declared a minimum generation emergency and the net Facility output was reduced to 10 MWh for approximately one hour. Total lost energy sales were approximately 14 MWh equating to less than \$1,000 in lost revenues.

The third unit was brought online October 20, and annual air emission testing of the whole plant began October 23 and was completed on November 1. All three units operated at 102% of full load during testing. A representative from MDE arrived unannounced for some of the testing. Preliminary indications are that the test results were well below regulatory limits. The testing company will issue a full report within a couple months.

A temporary radiation detector was installed at the grizzly feeder in the ash load-out system at the County's request.

The rail yard camera was re-located to the top of the boiler building at the northwest corner. This was done to eliminate voltage spikes that were occurring when the camera was located on the northern light pole in the rail yard.

There were no reportable air or water quality environmental excursions in the month. The following reports were submitted:

- September Water Supply Report to MDE
- Third calendar quarter Operations and Emissions report (CEM data) to MDE
- Third calendar quarter NPDES report to MDE
- Updated County CDROMS emission data

Ogden's environmental engineer was present for most of the emissions testing and periodically throughout the rest of the month.

Tours were provided on the 21st and the 31st. Approximately 35 people toured the Facility representing Johns Hopkins and Montgomery College.

Materials Recovery Facility – Approximately 1,583 tons of commingled material; and 5,480 tons of mixed paper were shipped out after processing.

Loading dock levelers were installed. A new scrubber/sweeper was delivered. The halls, break room, restrooms and administrative areas were painted. Potomac, Inc. was awarded the task to update the information displays at the facility. The firm of T.A. Turner was awarded the bid for expanding the tip floor area. Visitors from Sweden, Korea and Japan toured the facility as did the Leadership Montgomery Group.

Oaks Landfill – Work continues on the final punch list items for the Phase II closure construction.

Cherry Hill Construction, the contractor for the Phase I closure construction (about 68 acres on the western side of the landfill) installed liner on the remaining areas of the site that needed to be capped, largely completed placement of geocomposite and began placement of final soil cover. Cherry Hill is also continuing work on several drainage structures. Construction is approximately 75% complete.

Transfer Station – During October, Ogden Martin shipped via rail 42,906 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 2,587 tons more than shipped in October 1999.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

A contractor is continuing work on updating the Storm Water Pollution Prevention Plan for the Transfer Station and the Recycling Center.

Recaulking of the concrete panels on the buildings is near completion.

Atlantic Builders Group, Inc. largely completed the Transfer Station master plan improvements. Final items such as painting stripes and sign placement are being addressed to allow for an early November opening of the new, expanded citizen drop-off facilities.

A wiring trough was installed and cables pulled and connected to equipment needed to make connections to the PEPCO transformer. The final connections to equipment to enable use of the switch gear and standby generator need to be made by PEPCO.

Ogden completed work on a modification to the area behind the feed chute to compactor #3.

Ogden started cleaning the truss over the tipping floor.

Site 2 Landfill Properties – The Engineer/Architect was selected and notified for the Chiswell Farm renovation. Kick-off meeting was scheduled for early November. Water treatment systems at the Dunn and Draper properties were serviced, as was the water system at the stone house that is rented by Sugarloaf Citizens Association. The work request to DFS to tarp the roof of the Chiswell farmhouse was halted because the roof collapsed under the contractor. Alternative methods of protecting the structure are being considered.

Solid Waste Facilities Master Plan – Plantings in the butterfly garden at the Gothic Barn is scheduled this month.

Yard Trim Compost Facility – Two thousand six hundred and thirty-five (2,635) tons of grass and 1,417 tons of leaves were received at Dickerson for composting. Six thousand and ninety (6,090) yards of Leafgro were sold in bulk.

Bagging Operations – In October, 31,850 bags of Leafgro were produced at the Compost Facility and 26,500 bags were shipped to distributors. No bags of Leafgro were shipped to distributors from the Transfer Station.

Linden Farm Renovations – Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn by June 2001. Proposals from the RFP sent out by Maryland Environmental Services (MES) are due November 17, 2000.

Out-of-County Haul

Brunswick County, Virginia – In October, about 9,878 tons of ash residue and 3,955 tons of nonprocessible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, VA. About 64 tons of rubble was recycled at Clean Rock in Hagerstown, MD. Delivery started on new three-position flat cars to replace the 30 high-sided gondola cars in the 70-car rail system. The flat cars are easier to load and unload at Collier Yard and are less subject to graffiti.

York, Pennsylvania – In October, 3,147 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, PA to be recycled into aggregate.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste- 240/777-6400

Customer Service- 240/777-6410

Transfer Station- 301/840-2370

Materials Recovery Facility- 301/417-1447- Maryland Environmental Service

Resource Recovery Facility- 301/349-5685 County Office
301/916-3031 Ogden Martin Systems of Montgomery

Yard Trim Compost Facility- 301/428-8185

Internet for DSWS - www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal by 2000	50%
New Recycling Programs Scheduled for FY 01	Countywide completion in August 2000 of Residential Mixed Paper Collection
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	82,599
# Residences receiving collection of recyclables in blue bins and yard waste collection	195,405
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CEM	Continuous Emissions Monitoring
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
IRS	Internal Revenue Service
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
MNCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
WM	Waste Management
YTCF	Yard Trim Composting Facility